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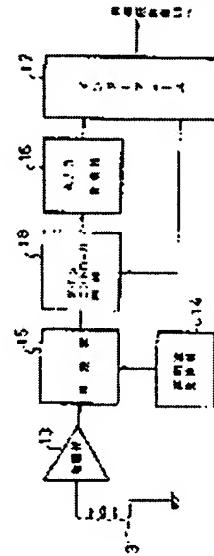
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(54) MAGNETIC RESONANCE IMAGING DEVICE

(57)Abstract:

PURPOSE: To arrange so that an image distortion may not occur even in the case of superhigh speed imaging having been conducted by regulating the gain quantity of collected magnetic resonance signals at every signal collected.

CONSTITUTION: Constitution is made so that the gain quantity of collected signals may be regulated at every signal collected by interposing, for example, a gain control circuit 18 between a wave inspector 15 and an A/D converter 16. As a result, even if a signal is damped owing to the ununiformity of a magnetic field (static magnetic field) and spin-spin mitigation, by the execution of imaging relating to the combination of a superhigh speed pulse sequence and a Fourier transformation method, the gain quantity of an MR signal at every signal collection is regulated and damping at every signal can be compensated by the regulation of the gain quantity, thus distortion due to damping does not appear even at both end portions, and an accurate image is obtained even at the imaging of an ordinary inspected person.



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